

SFP+ 10G-Base-T Transceiver

Hot Pluggable, Cat-5e UTP Cable, 100m

-40 °C ~85 °C, +3.3V Power Supply

Descriptions

10G copper transceiver module is a high performance integrated duplex data link for bi-directional communication over copper cable. It is specifically designed for high speed communication links that require 10 Gigabit Ethernet over Cat 6a/7 cable. This is the first SFP+ transceiver that offers 10 Gb/s communication over this type of media.

Features:

- ✧ Supports Links up to 30m using Cat 6a/7 Cable
- ✧ SFF-8431 and SFF-8432 MSA Compliant
- ✧ IEEE 802.3az Compliant
- ✧ Low Power Consumption (2.5W MAX @ 30m)
- ✧ Fast Retrain EMI Cancellation Algorithm
- ✧ Low EMI Emissions
- ✧ I2C 2-Wire Interface for Serial ID and PHY Register Access
- ✧ Auto-negotiates with other 10GBase-T PHYs
- ✧ Supports 100/1000Base-T using Cat 5e cable or better
- ✧ MDI/MDIX Crossover
- ✧ Multiple Loopback Modes for Testing and Troubleshooting
- ✧ Robust Die Cast Housing
- ✧ Bail Latch Style ejector mechanism
- ✧ Unshielded and Shielded cable support

Applications:

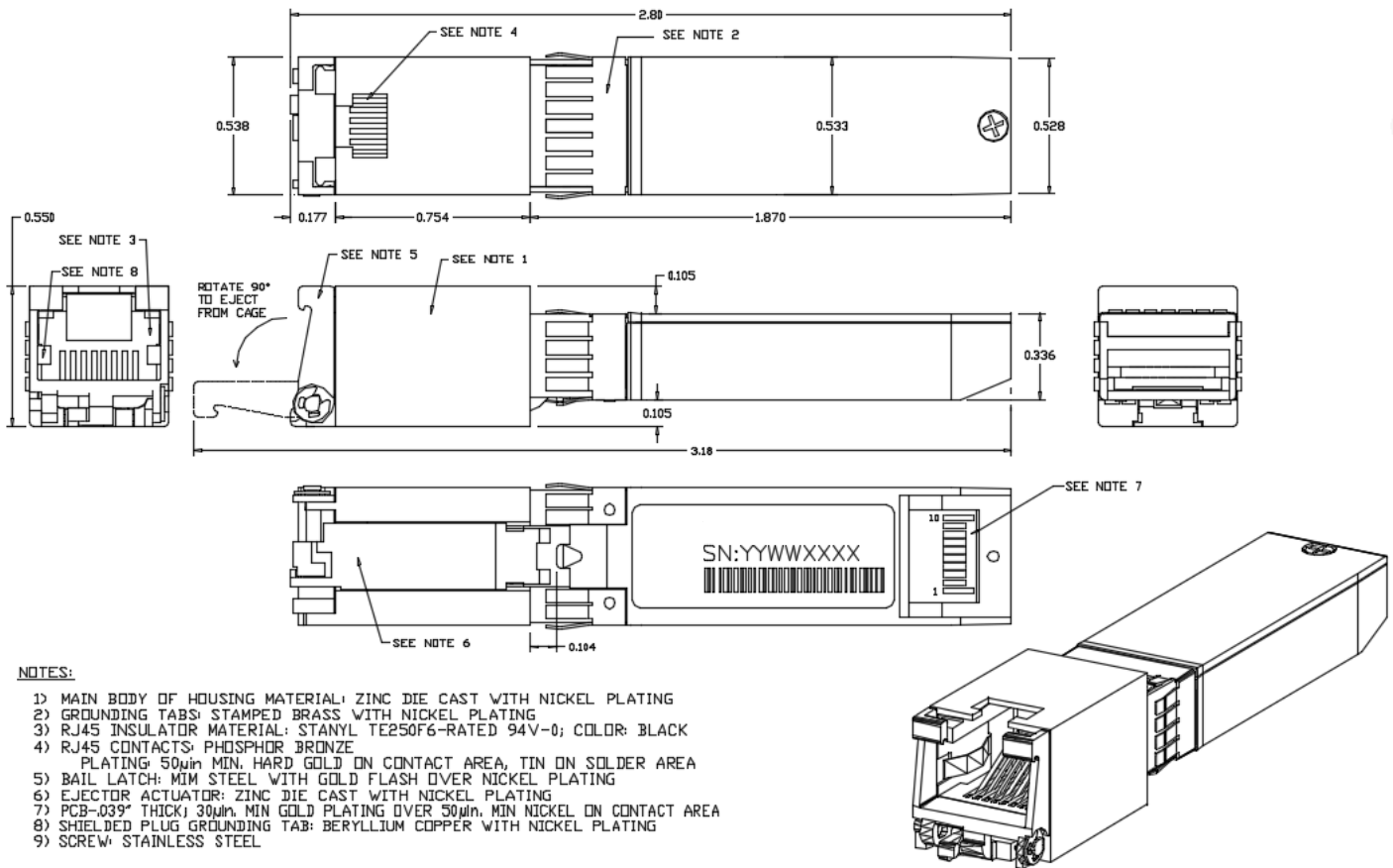
- ✧ 10 Gigabit Ethernet over Cat 6a/7 cable
- ✧ Switch/Router with 10GBASE-T SFP+
- ✧ Other Rack to Rack connections
- ✧ Other Ra Legacy Networks

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● Mechanical Dimensions



NOTES:

- 1) MAIN BODY OF HOUSING MATERIAL: ZINC DIE CAST WITH NICKEL PLATING
- 2) GROUNDING TABS: STAMPED BRASS WITH NICKEL PLATING
- 3) RJ45 INSULATOR MATERIAL: STANYL TE250F6-RATED 94V-0; COLOR: BLACK
- 4) RJ45 CONTACTS: PHOSPHOR BRONZE
PLATING: 50µin MIN. HARD GOLD ON CONTACT AREA, TIN ON SOLDER AREA
- 5) BAIL LATCH: MIM STEEL WITH GOLD FLASH OVER NICKEL PLATING
- 6) EJECTOR ACTUATOR: ZINC DIE CAST WITH NICKEL PLATING
- 7) PCB-039" THICK; 30µin. MIN GOLD PLATING OVER 50µin. MIN NICKEL ON CONTACT AREA
- 8) SHIELDED PLUG GROUNDING TAB: BERYLLIUM COPPER WITH NICKEL PLATING
- 9) SCREW: STAINLESS STEEL